



DISTRICT 8

I-15 / SR-210 INTERCHANGE

SAN BERNARDINO COUNTY

SUBBASE & BASE



Subbase & Base

- Make sure compaction is not less than 95 percent.
- Be aware of heavy machinery.



ATPB - PAVING



Asphalt Treated Permeable Base

- Minimize the driving on ATPB.
- Pave over ATPB as soon as possible to avoid any raveling and to keep the surface in a good condition.







LCB - PAVING





LCB Paving

- Apply curing compound ASAP.
- Smooth surface and right depth.
- Make sure no body drives on it.







PCC - PAVING



Portland Cement Concrete Pavement

- Concrete Quantities:
 - A. Segment 5: 33,500 m³ (43,816 CY).
 - B. Segment 6: 93,050 m³ (121,709 CY).
 - C. Segment 7: 38,500 m³ (50,356 CY).





Portland Cement Concrete Pavement

- Be aware of old concrete.
- Always check the depth of the pavement.
- Check grade.







Portland Cement Concrete Pavement

- No driving on wet pavement.
- Be aware of the paver guide wires.
- Be aware of speeding trucks. (Back up alarm).





Portland Cement Concrete Pavement

- When the concrete is being placed adjacent to an existing pavement, that part of the equipment supported on existing pavement shall be equipped with protective pads.



Portland Cement Concrete Pavement

- Make sure there is enough room for the paver tracks.
- Be aware of equipment weight especially when they cross bridges.



PCC JOINTS

- Longitudinal joints reinforced with tie bars.
- Transverse joints reinforced with dowels.

















Portland Cement Concrete Pavement

- The curing compound shall be applied to the concrete following the surface finishing operation immediately before the moisture sheen disappears from the surface.
- Make sure they spray enough curing compound.









SAW CUTTING



Saw Cutting

- Saw cut may need to be adjusted or corrected.
- Saw cutting and pollution.



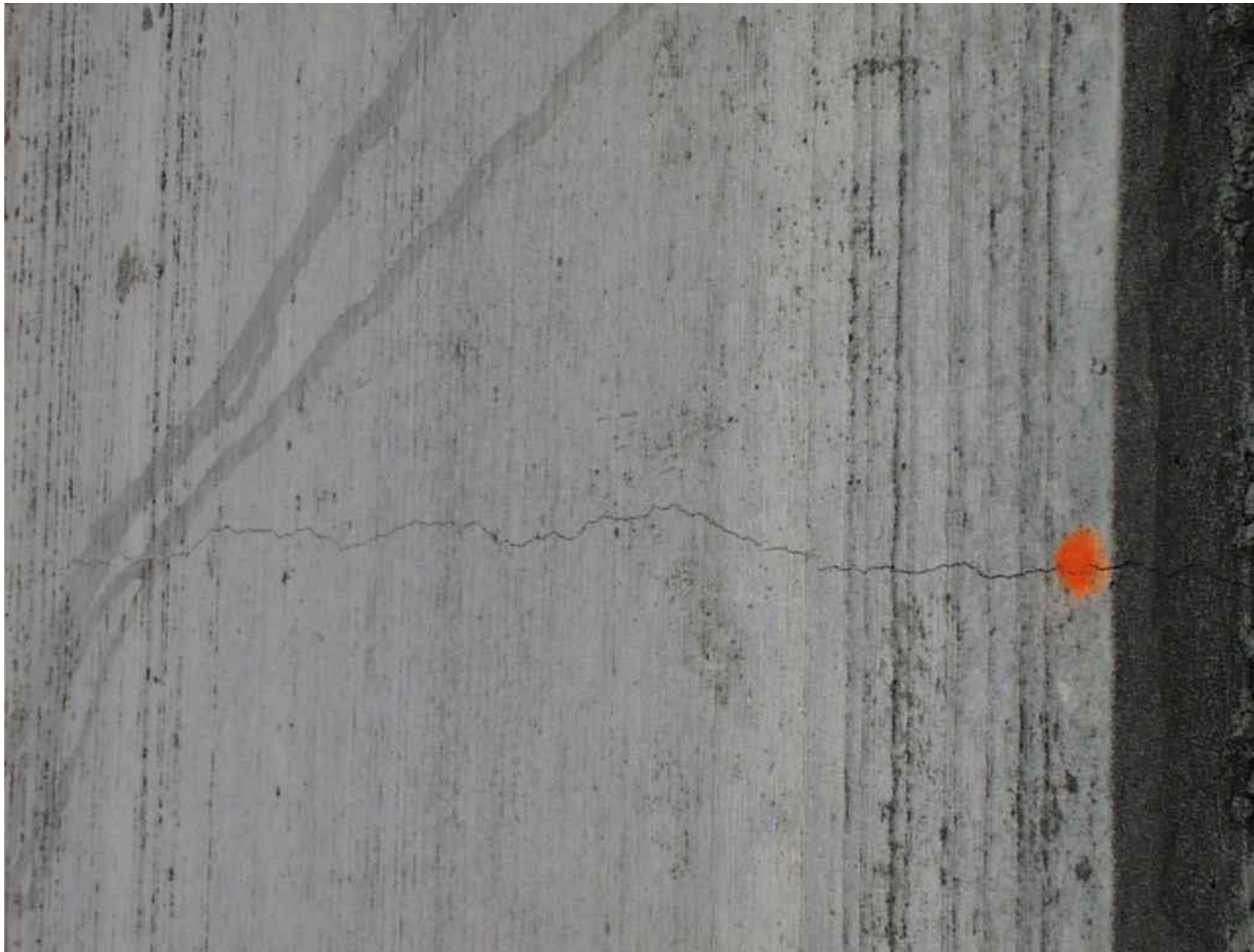




Cracks & Retrofit

- Cracks will transfer from LCB to PCC if curing compound did not act as an independent layer between the two items.









Cracks & Retrofit

- Dowel retrofit for longitudinal cracks.
- Place dowel bar in slot and fill it up with rapid setting concrete material.
- Saw cut crack after retrofitting.











Cracks & Retrofit

- A 1” layer of AC was placed on the LCB to act as a third layer, and to prevent the two items from bonding together.
- AC or ATPB do not bond with PCC.











Route 30/210

- Final result please see next 2 slides.

Route 30/210











